

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 214 AND PATUXENT RIVER RD IN ANNE ARUNDEL COUNTY. MD 214 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION. THIS WORK IS NECESSITATED BY WIDENING ON THE NORTHBOUND APPROACH OF PATUXENT RIVER RD. AND WILL INVOLVE THE INSTALLATION OF DETECTORS, CONDUIT, WIRING, AND PAVEMENT MARKINGS.

CONTROLLER OPERATION

THE EXISTING EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A POLE MOUNTED CABINET WILL BE USED. THE CONTROLLER CURRENTLY OPERATES AS A FOUR PHASE FULLY-ACTUATED CONTROLLER AND WILL NOT BE CHANGED.

EQUIPMENT LIST

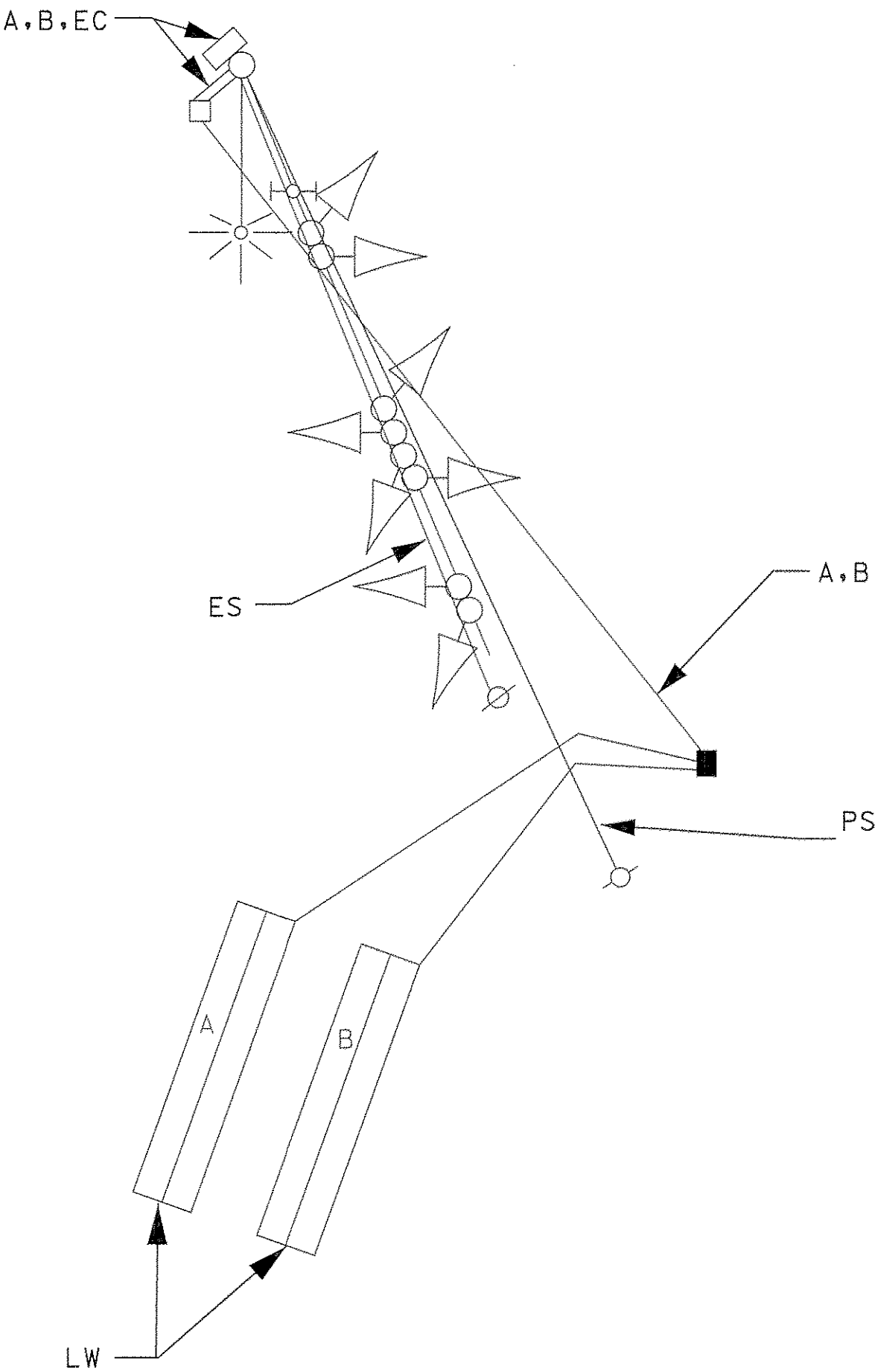
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5002	160 LF	FURNISH AND INSTALL 5 IN. WHITE HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC
5004	25 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING
8021	300 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	20 LF	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8032	90 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8033	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8040	975 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8041	220 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
-----	1 EACH	FURNISH AND INSTALL R3-5L SIGN (30 IN. X 36 IN.) MAST ARM MOUNTED

WIRING DIAGRAM


WIRING KEY

- A-B2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- ECEXISTING CABLE
- ESEXISTING ELECTRICAL SERVICE TO BE DISCONNECTED
- LWLOOP WIRE (NO. 14 A.W.G.)
- PSPROPOSED ELECTRICAL SERVICE



NOTES

1. UNLESS OTHERWISE NOTED, ALL EXISTING WIRING WILL BE USED.



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION SHEET  
MD 214 AND PATUXENT RIVER RD

DRAWN BY: T.M.Z	F.A.P. NO.	TS NO. 3642B CI	SHEET NO. 2 OF 2
CHECKED BY: K.W.S	S.H.A. NO.	T.I.M.S. NO.	
SCALE: NONE	COUNTY: ANNE ARUNDEL		
DATE: 10-24-00	LOG MILE:		